

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: 12-18-85

Product Identity: CG-1

Synonyms: Cooling Water Treatment

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH-TLV	Flammability	LEL	UEL
Phosphonic Acid	Not Listed	Not Listed	NA (0)	NA	NA
Potassium Hydroxide	Not Listed	2mg/m ³ (ceiling)	NA (0)	NA	NA
Sodium Polyacrylate	Not Listed	Not Listed	NA (0)	NA	NA
Sodium Ligno-Sulfonate	Not Listed	Not Listed	NA (0)	NA	NA

Other Cited Data: None

Comments: Low Toxicity. Water soluble

Section III: Physical/Chemical Characteristics

Boiling Point: Approx. 100°C Specific Gravity (H₂O = 1): 1.1
Vapor Pressure: Unknown Melting Point: 25°F
pH: 6-7 Evaporation Rate (Butyl acetate = 1): 1
Appearance and odor: Brown liquid. Odorless

Section IV: Fire and Explosion Data

Flash Point: None
Extinguishing Media: Water, CO₂, foam, dry chemical
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Stability: Stable Yes Unstable No
Conditions to avoid: Neat product is corrosive to metals.
Incombatability: Reacts with metals to produce hydrogen gas.

Hazardous Decomposition or By Products CO, CO₂ Phosphine, Oxides of Nitrogen
by thermal decomposure.

Hazardous Polymerization: Will Occur - Will Not Occur X

Section VI: Health Hazard Data

Routes of Entry: Inhalation No Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Eyes: May cause irritation or burns on
contact. May be irritating to skin. Ingestion: Low toxicity

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Eyes: Irritation or burning on contact.
Skin: May affect certain individuals causing irritation.

Medical Conditions Aggravated by Exposure: None known

Emergency and First Aid Procedures: Eyes and skin: Flush with water, remove
contaminated clothing. Ingestion: Seek medical advice.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Contain and flush to a
holding basin, or absorb an inert material and transfer to a plastic or
lined vessel. Hold for proper disposal.

Waste Disposal Method Follow Federal, State, and local regulations.

Precautions to be taken in handling and storing: General good practice

Other precautions: Avoid contact

Section VIII: Control Measures

Respiratory Protection: No

Ventilation: Local Exhaust No Special No
Mechanical (Type) No Other No

Protective Gloves Rubber or latex Eye Protection Goggles

Other Eye wash

Comments: Follow general good practice and hygiene when using this product.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1965-86
ACGIH, Cincinnati, OH 45211